



Mahatma Gandhi Shikshan Mandal's

ARTS, SCIENCE AND COMMERCE COLLEGE

Chopda Dist. Jalgaon, P.B.No.14, Pin - 425107

Affiliated to Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

NAAC Re-Accredited 'B' Grade

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Best Practice - I

1. Title of the Practice: Green Campus- Healthy Campus

2. Goal:

- To keep the Campus green and clean
- To grow more trees with variety
- To help biodiversity conservation
- To reduce the traffic noise
- To inculcate aesthetic values and eco-consciousness among the students and staff of our institution
- To create good ambience for the holistic development of the students.
- To improve the overall health of the people on campus
- To support and implement "Swachh Bharat Abhiyan" for healthy India
- To use renewable energy resources (solar energy).

3. The Contexts:

MGSM's Arts, Science and Commerce College, Chopda is situated in the lap of Satpuda mountain range. Satpuda forest is one of hotspot for floral and faunal biodiversity. Our institution is committed to maintain the health and biodiversity of the campus that eventually protect our environment. Campus expansion has resulted in an increase in the use of motor vehicles and resource consumption. Therefore the college has felt the need to maintain and enhance the greenery in the campus.

4 The Practice:

We plant various types of saplings with the help of students, NSS, NCC volunteers Teaching and non-teaching staff of the college. These plants are made

available from the nearby government and private nurseries mostly at the onset of monsoon every year and otherwise. These are successfully maintained by providing fertilizers and irrigation facility. We conduct the program of “Shramdan” every Friday by NSS volunteers for the maintenance of our campus. The faculty members celebrate their birthdays not by cutting a cake but by planting a sapling. This cake free initiative under this best practice has proved very fruitful so far more than hundred trees have been planted by the faculty members alone. The sapling planted by the faculty members on his/her birthday has to be taken care of by the concern faculty members including iron meshing and watering. Following are the major activities conducted to achieve the goal of green and healthy campus:

- The college has conducted green audit of the campus
- Right from the beginning the college has carried out labelling of plants on the college campus which helps students to understand the botanical names and specifications of the plants.
- The college has preserved Flora on the campus and documented the Flora with photographs.
- Signboards/posters are displayed on the college campus for encouraging ideas of plastic-free campus, noise pollution, and environmental awareness.
- The college organizes seminars/workshops, expert lectures etc. on environment-related issues
- For solid waste management the college has functional Vermicomposting units on the campus.
- The energy audit of consumption of electricity in the college is conducted recently by certified external auditor
- LED bulbs are installed in the college buildings to save electricity.
- The college has made agreement with New Star Traders for e-waste management.
- Recently college has installed Solar Power Generation Plant of 36 kWh
- The college has robust rain water harvesting mechanism that has resulted in the increase in ground water levels of borewells on the campus.
- The chemistry laboratory uses rain water as distilled water for practical.



5 Evidence of the Success:

Our campus is spread across 36 Acres of sprawling green campus. President of our institute received *Vanashree* Award for development of green campus by Govt. of Maharashtra. This practice has resulted in the improved quality of air and subsequently quality of life. The tall trees helped reduce the noise created by street and traffic sounds as the college campus is adjacent to the national highway. It is a proven fact that the plant barriers can be a solution to noise. Indeed, plant barriers are excellent solution for the traffic noise.

6. Problem encountered and Resources Required:

No serious problems were faced as such but during the initial phase it was difficult to find the alternative for single use plastic carry bags for the students. Later on, in collaboration with "*Jan Shikshan Sansthan*" Jalgaon, college has promoted use of handmade cloth bags.

7. Contact Details:

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Accredited Status: Grade B

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Best Practices- II

1. Title of the Practice: No vehicle day.

2. Goal:

- To reduce carbon emission and measure carbon footprint
- To take a step towards reduction of pollution from the environment by reducing harmful gases like Carbon Monoxide and reduce the global warming.
- To promote use of bicycles and electric vehicles
- To derive walk to campus initiative through this best practice
- To take initiative to save conventional energy sources.
- To spread the motivational message to society to save environment and reduce the use of fossil fuel.
- To raise environmental sensitivity and awareness among students about the vehicular pollution.

3. The Context:

The world is on the threshold of serious crisis of Global warming and Climate change. There is a need to spread awareness about the global warming and solution to reduce it. Being a higher educational institute, it is our moral responsibility to take steps towards reduction in global warming and to motivate the society to follow it.

In a bid to promote road safety and reduce the pollution caused by vehicles, MGSM's ASC College is set to observe a 'No Vehicle Day' once a week. All the students, teaching and non-teaching staff working in the college come to the college as pedestrians or via bicycle or by a public transport service on every Saturday and it will be celebrated as No Vehicle Day.

The initiative was aimed at promoting a culture of healthy living and encouraging the use of public transport. The main objective of observing No Vehicle Day is to sensitise the staff

and students of the college towards the above-mentioned issues. There should be more usage of the public transport system, reduction in pollution caused by transportation, to reduce traffic on roads and to reduce road accidents, and promote carpooling.

4. The Practice:

The “No Vehicle Day” activity is being run by the institute once in a week. This activity is adopted by the college staff as well as students and visitors. The reminder notice is being circulated on every Friday. All entry points into the campus were closed for vehicles and those who came by vehicles had to park them outside the campus and walk to their department or office. With most of the students of MGSM come from nearby villages, they use public transport for daily commute to the college. Bus stand is just half kilometres away from the campus so outstation students do not find it difficult to observe the no vehicle day. Students staying in hostels have no problems in observing no vehicle day as the hostel is adjacent to the campus.

The physically challenged students are very less in number and they have exempted from this initiative.

5. Evidence of the Success:

The local newspapers took cognizance of this activity and gave wide spread media coverage.



Table 5.2: Vehicle matrix *

Technical Specifications			Pollutants data from Form 22		
Type	Model Name	Bharat Stage emissions standard	Carbon Monoxide (CO)	Hydrocarbons (HC)	Nitrogen Oxides (NOx)
Unit			gm/km		
Two Wheelers					
Scooter	Honda Activa 4G	IV	0.118	0.155	0.186
Motorcycle	Honda CB Shine	IV	0.162	0.226	0.237
Motorcycle	Honda CB Shine SP	IV	0.551	0.202	0.154
Motorcycle	Hero Splendor Plus	IV	0.144	0.195	0.27
Motorcycle	Hero Super Splendor	IV	0.255	0.166	0.32
Motorcycle	Hero Splendor iSmart 110	IV	0.379	0.219	0.292
Motorcycle	Hero HF Deluxe	IV	0.144	0.195	0.27
Motorcycle	Hero Glamour	IV	0.522	0.164	0.183
Motorcycle	Hero Passion PRO i3s	IV	0.144	0.195	0.27
Scooter	Hero Pleasure	IV	0.48	0.194	0.21
Scooter	Hero Maestro Edge	IV	1.069	0.135	0.172
Motorcycle	Hero Achiever	IV	0.379	0.219	0.292
Scooter	Hero Duet	IV	0.816	0.127	0.192
Average emission of above mentioned bikes			0.3972	0.184	0.235

*Source of data: Report by Alliance for an Energy Efficient Economy (AEEE)

Approximate number of vehicles entering the campus on a single day is 250. On the basis of above table, the average daily per kilo-meter emission of carbon monoxide, Hydrocarbons and Nitrogen Oxides is 0.3972, 0.184 and 0.235 respectively. The average distance travelled by the said vehicles is around 5 Km. So, there is fivefold increase in the above said emission. Hence this activity is one of the most important and crucial initiatives taken by the institute during the last five years.

6. Problem encountered and Resources required:

In the beginning the college administration found number of difficulties in convincing students and outsiders for observing “No Vehicle Day”. 40% students preferred the vehicle and this activity is very difficult to run during exam period and during a scorching heat of March and April.

7. Contact Details:

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